DESIGN LOADING: SM1600.

THE MAXIMUM GAP BETWEEN PSC PLANKS: 320mm.

DECK: 180mm.

THE NOMINAL THICKNESS OF CAST-IN-PLACE REINFORCED CONCRETE IS 300mm.

EACH END.

UPRIGHT POSITION AND SUPPORTED AT NOT MORE THAN 600mm FROM DURING STORAGE, TRANSPORT AND HANDLING, PLANK SHALL BE IN AN

MASS OF PLANK IS APPROXIMATELY 8.4 TONNES.

- NO LOADS EXCEPT PLANK SELF WEIGHT
- TEMPERATURE AND RELATIVE HUMIDITY IN RANGE 50% - 75%
- STORAGE IN OPEN AIR, AFTER STEAM CURING, AT 20 deg C AVERAGE
- STEAM CURING AT 70 deg C FOR 8 HOURS AFTER CASTING
- ELASTIC MODULUS AT TRANSFER = 32 800 MPa
- DENSITY = 2550 kg/cu m

AND IS 17mm AT 28 DAYS, ASSUMING:

CALCULATED HOG OF PLANK AT TRANSFER IS 11mm

BY THE APPLICATION OF EPOXY RESIN.

THE END OF PLANK AND EXPOSED STRANDS SEALED AGAINST CORROSION AFTER TRANSFER OF PRESTRESS, STRANDS SHALL BE CUT FLUSH WITH BE 138 kN.

IMMEDIATELY AFTER THE RELEASE OF THE TENSIONING JACK SHALL

THE FORCE IN EACH 12.7mm DIA STRAND AT THE MID-SPAN OF THE PLANK FORCE OF 184 kN.

STRENGTH 1870 MPa, RELAX 2, TO AS/NZS 4672.1 WITH MINIMUM BREAKING STRANDS SHALL BE 7-WIRE, ORDINARY, DIAMETER 12.7mm, TENSILE TABLE OR FORM VIBRATORS.

STEELFORMWORK MOULD WITH INTENSE COMPACTION USING A VIBRATING SURFACE SHALL BE 35mm UNLESS SPECIFIED OTHERWISE.

NOMINAL COVER TO REINFORCEMENT NEAREST TO THE CONCRETE OF PRESTRESS SHALL BE 35 MPa.

MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 50 MPa.

MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 50 MPa.

CONCRETE EXPOSURE CLASSIFICATION: ...